

ABSTRACT

An object of the present invention is to provide a production apparatus for a hollow fiber membrane module without a risk of deteriorating characteristics of the hollow fiber membranes to be used, with the module case and the hollow fiber membranes bonded and fixed with a potting resin in a highly fluid-tight or airtight manner, and a production method thereof.

The object is a centrifugal type production apparatus (1) for the hollow fiber membrane module, for bonding and fixing at least one end part of the hollow fiber membrane stored in the module case and the module case with each other with the potting resin by utilizing a centrifugal force. The centrifugal force is applied by driving a centrifugal machine (11) while supporting an end part potting working part (3) of the hollow fiber membrane module (2) by a fixing jig (4). The fixing jig (4) comprising a heating means (7) and a temperature detecting means (8) controlling a heating capacity of the heating means (7) based on a difference between a temperature of the fixing jig (4) detected by the temperature detecting means (8) and a setting temperature of the fixing jig (4) preliminarily set in a temperature accuracy range of $\pm 4^{\circ}\text{C}$ to the setting temperature. It is also possible to reduce a pressure of the potting working part (3) with a pressure reducing mechanism (17) simultaneously with the centrifugal

force application for further preventing generation of leakage of the potting resin.